Exploring Transformations

Lower case Capital

\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_1. 

\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_2. 

\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_3. 

\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_4. 

\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_5. 

\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_6. 

\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_7. 

\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_8. 

\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_9. 

\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_10. 

\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_11. 

\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_12. 

\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_13. 

\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_14. 

\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_15. 

1. Vertical stretch by a factor of 2 and reflected over the y-axis
2. Vertical stretch by a factor of 4
3. Vertical stretch by a factor of 5 makes it skinnier and the c-value shifts it right 1 unit
4. Vertical stretch by a factor of 3 (increases amplitude to 3)
5. Reflected over x-axis and shifted up 2 units
6. Vertical shrink and shift down three units
7. Reflected over x-axis and a vertical stretch by a factor of 5
8. Horizontal shrink by a factor of 3 and shifted up 2 units
9. Shifted down 1 unit
10. Shifted right 2 units and down one unit
11. Horizontal compression by a factor of 2 and shifted right 3 units
12. Reflected over x-axis and shifted left 4 units
13. Shifted up 3 units
14. Reflected over x-axis and shifted down 2 units
15. Reflected over x-axis, vertical stretch by a factor of 4, shifted up 4 units